



FIG. 1

|     | CONDITION  | ACTION                                    |
|-----|--|---|
| (1) | (LAST_VCI - CURRENT_VCI) > DELTA_THRESHOLD                                 | PROVISION VIRTUAL CIRCUIT<br>FOR END USER |
| (2) | STATUS = SUCCESS<br>AND<br>(LAST_VCI - CURRENT_VCI) < DELTA_THRESHOLD      | SEND BULK REQUEST                         |
| (3) | STATUS = FAIL  | SEND BULK REQUEST                         |
| (4) | STATUS = SUCCESS<br>AND<br>(LAST_VCI - CURRENT_VCI) > DELTA_THRESHOLD      | DO NOT SEND BULK REQUEST                  |
| (5) | STATUS = IN_PROCESS<br>AND<br>CURRENT_TIME - START_TIME < TIME_THRESHOLD   | DO NOT SEND BULK REQUEST                  |
| (6) | STATUS = IN_PROCESS<br>AND<br>(CURRENT_TIME - START_TIME) > TIME_THRESHOLD | SEND BULK REQUEST                         |

FIG. 2

**FIG. 3**

